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UNION CARBIDE

UNION CARBIDE CORPORATION
NUCLEAR DIVISION
P. O. BOX P, OAK RIDGE, TENNESSEE 37830

February 25, 1982

82.0003

Department of Energy
Oak Ridge Operations
Attention: Mr. H. D. Fletcher
Director, Enriching Operations Division
Post Office Box E
Oak Ridge, Tennessee 37830

Gentlemen:

Request for Hazardous Waste Annual Report

The attached Hazardous Waste Annual Report for Generators and the Hazardous Waste Annual Report for Treatment Storage and Disposal Facilities (TSDF) are submitted in accordance with your request of February 11, 1982.

The quantities of the process wastes listed are based on estimated flow rates of these waste streams.

Stored wastes listed on the attached TSDF report include those accumulated during and prior to 1981. Wastes which were removed for commercial disposal during 1981 are not included in the TSDF report but are included in the generator report.

Some of the wastes included in the two reports do not meet the EPA definition of "hazardous." These small quantities of discarded laboratory chemicals have been reported because they are hazardous in a real sense and have been packaged with EPA defined hazardous wastes for commercial disposal.

Please let me know if we can be of any further assistance in this matter.

Sincerely,

Original signed by
W. F. Thomas

W. F. Thomas, Plant Manager
Oak Ridge Gaseous Diffusion Plant

WFT:TPAP:lc

cc: File - W. F. Thomas

cc/enc: R. G. Jordan, Y-12
M. E. Mitchell - RC

APPROVAL FOR RELEASE

Document: # Unnumbered ; Date 2/25/82 ;

Title/Subject Ltr., WF Thomas to HD Fletcher (DOE) "Request for Hazardous Waste Annual Report," w/ enclosure

Approval for unrestricted release of this document is authorized by the Oak Ridge K-25 Site Classification and Information Control Office, Martin Marietta Energy Systems, Inc., PO Box 2003, Oak Ridge, TN 37831-7307.

Arvin S. Quist (B) 1/26/93

K-25 Classification & Information Control Officer Date

#41

STATE OF TENNESSEE
DEPARTMENT OF PUBLIC HEALTH
SOLID WASTE MANAGEMENT

150 NINTH AVENUE NORTH, SEVENTH FLOOR
NASHVILLE, TENNESSEE 37203
PHONE (615) 741-3424

HAZARDOUS WASTE ANNUAL REPORT

PLEASE PRINT OR TYPE.

1. NAME: United States Department of Energy - K-25 Site | YR OF REPORT: 1981 | ID CODE: TN0890090004

2. ADDRESS (STREET, CITY, STATE, AND ZIP): P.O. Box E, Oak Ridge, Tennessee 37830 | REPORT TYPE (CIRCLE ONE): (GENERATOR) TSDF

3. DOT SHIPPING NAME / WASTE NAME	EPA WASTE CODES	AMOUNT KILOGRAMS	SHIPMENTS	TRANSPORTER ID CODE	DESTINATION / SOURCE ID CODE	TSDF HANDLING CODES
Oxidizer NOS,. Lab Pack, List Attached	D001 D007	140	1	ALT 00622464	ALT 00622464	
Corrosive Liquid NOS/Corrosive Solid NOS, Lab Pack, List Attached	D002	111	1	ALT 00622464	ALT 00622464	
Flammable Liquid NOS, Lab Pack, List Attached	D001	89	1	ALT 00622464	ALT 00622464	
ORM-B NOS, Lab Pack, List Attached	D002	95	1	ALT 00622464	ALT 00622464	
ORM-A NOS, Lab Pack, List Attached	D007	135	1	ALT 00622464	ALT 00622464	
Corrosive Liquid NOS/Corrosive Solid NOS, Lab Pack, List Attached	D002	91	1	ALT 00622464	ALT 00622464	
ORM-E NOS, Lab Pack, List Attached	D007 U013 U201	99	1	ALT 00622464	ALT 00622464	
Oxidizer NOS, Lab Pack, List Attached	D001	135	1	ALT 00622464	ALT 00622464	

4. AMOUNT OF FEE ENCLOSED: Not Applicable | TSDF-CLOSURE COST: Not Applicable | DISPOSAL SITE POST-CLOSURE COST: Not Applicable

5. CERTIFICATION: I CERTIFY THAT THE ABOVE INFORMATION IS TRUE, ACCURATE AND COMPLETE.

SIGNATURE: J. F. Wing | TITLE: Chief, Environmental Protection Branch | DATE

PH-2116,SN1 01/82

STATE OF TENNESSEE
DEPARTMENT OF PUBLIC HEALTH
SOLID WASTE MANAGEMENT

150 NINTH AVENUE NORTH, SEVENTH FLOOR
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3. DOT SHIPPING NAME / WASTE NAME	EPA WASTE CODES	AMOUNT KILOGRAMS	SHIPMENTS	TRANSPORTER ID CODE	DESTINATION / SOURCE ID CODE	TSDF HANDLING CODES
ORM-B NOS, Lab Pack, List Attached	None	83	1	ALT 00622464	ALT 00622464	
ORM-A NOS, Lab Pack, List Attached	D007	82	1	ALT 00622464	ALT 00622464	
*Nitric Acid Raffinate	D002	271,000	13	TN0890090004	TN3890090001	
Potassium Metal	D003	10	1	TN0890090004	TN3890090001	

4. AMOUNT OF FEE ENCLOSED: Not Applicable | TSDF-CLOSURE COST: Not Applicable | DISPOSAL SITE POST-CLOSURE COST: Not Applicable

5. CERTIFICATION: I CERTIFY THAT THE ABOVE INFORMATION IS TRUE, ACCURATE AND COMPLETE.

SIGNATURE: J. F. Wing | TITLE: Chief, Environmental Protection Branch | DATE:

*Indicates Waste Contaminated With Nuclear Materials.

PH-2118,SWM 01/82

1

IM	PROPER SHIPPING NAME	QTY.	HAZARD CLASS	CONTAINER
X	"Waste" Ammonium Dichromate	1 lb	Oxidizer	0001
X	"Waste" Oxidizing substance n.o.s. Ammonium Persulfate	1/2 lb	Oxidizer	0001
X	"Waste" oxidizing substance n.o.s. Ammonium Persulfate		Oxidizer	0001
X	"Waste" oxidizing substance n.o.s. Ammonium Persulfate	5 lb	Oxidizer	0001
X	"Waste"Beryllium Nitrate	4 oz	Oxidizer	0001
X	"Waste" oxidizing substance n.o.s. (Bismuth Nitrate)	1 lb	Oxidizer	0001
X	"Waste" oxidizing substance n.o.s. (Cadmium Nitrate)	(2) 8 gal	Oxidizer	0001
X	"Waste" oxidizing substance n.o.s. (Chromium Trioxide)	1 lb	Oxidizer	0001
X	"Waste" oxidizing substance n.o.s. sodium hydroxide 10%, chlorite oxidizing agent, Macublack Conc	1 gal	Oxidizer	0001
X	"Waste" oxidizing substance n.o.s. Ammonium Persulfate 30%, Metex M-662	1 lb	Oxidizer	0001
X	"Waste" Hydrogen Peroxide (30%)	1/2 pt	Oxidizer	0001
X	"Waste" Hydrogen Peroxide (30%)	1/2 pt	Oxidizer	0001
X	"Waste" oxidizing substance Lead Dioxide	1/4 lb	Oxidizer	0001
X	"Waste" Magnesium Nitrate	1 lb	Oxidizer	0001
X	"Waste" Magnesium Perchlorate	1/4 lb	Oxidizer	0001
	"Waste" Magnesium Sulfate	1/4 lb	None	0001
	"Waste" Magnesium Sulfate	1 lb	None	0001
X	"Waste" Potassium Bromate	1 lb	Oxidizer	0001
X	"Waste" Potassium Chlorate	2 lb	Oxidizer	0001
	"Waste" Sodium Citrate	5 lbs	None	0001
	"Waste" Sodium Hypophosphite	1 lb	None	0001

HM	PROPER SHIPPING NAME	QTY.	HAZARD CLASS	CONTAINER
	"Waste" Sodium Hypophosphite	1 lb	None	0001
X	"Waste" Sodium Nitrate	1 lb	Oxidizer	0001
X	"Waste" Sodium Nitrite	75 lbs	Oxidizer	0001
X	"Waste" Sodium Nitrite	1 lb	Oxidizer	0001
	"Waste" Sodium Sulfite	1 lb	None	0001
X	"Waste" Titanium Nitrate	1/2 lb	Oxidizer	0001
X	"Waste" Zinc Nitrate	1/2 lb	Oxidizer	0001
X	"Waste" Zirconium Nitrate	1 lb	Oxidizer	0001
	"Waste" Ceric Oxide	1/2 lb	None	0001
	"Waste" Chromotropic Acid Sodium Salt	(6) 25 g	None	0002
X	"Waste" Phosphoric Acid	6 pt	Corrosive Material	0002
X	"Waste" Potassium Hydrogen fluoride Solution	4 lb	Corrosive Material	0002
X	"Waste" Potassium Hydrogen fluoride	5 lb	Corrosive Material	0002
X	"Waste" Potassium Oxalate	1 lb	Corrosive Material	0002
	"Waste" Tannic Acid	1 lb	None	0002
	"Waste" d-tartaric Acid	20 lb	None	0002
	"Waste" Nickel, Sulfamic Acid (Barrett Sulfamate Nickel Replenisher SNR 24)	5 gal	None	0002
X	"Waste" corrosive liquid n.o.s. hydrochloric acid, nitric acid, phosphoric acid, wetting agents mixture (DS9-333)	1 gal	Corrosive Material	0002
X	"Waste" Hydrochloric Acid (Everite)	1 gal	Corrosive Material	0002
X	"Waste" corrosive liquid, n.o.s. sulfuric acid, nickel sulfate, Cu (100 ppm), organic surfactant, sodium hypophosphate organic acid mixture (Niculoy 22-R)	1 gal	Corrosive Material	0002
	"Waste" Nickel sulfate, Cu (100 ppm) organic surfactant, sodium hypophosphate, organic acid (Niculoy 22 M)	1 gal	Corrosive Material	0002

HM	PROPER SHIPPING NAME	QTY.	HAZARD CLASS	CONTAINER
	"Waste" Tergitol (Wetting Agent)	150 mls	None	0003
X	"Waste" Amyl Acetate	2 lb	Flammable Liquid	0003
X	"Waste" Amyl Acetate	(6) 1 pt	Flammable Liquid	0003
X	"Waste" combustible liquid n.o.s. Anisole	300 ml	Combustible	0003
	"Waste" Benzyl Alcohol	1 pt	None	0003
X	"Waste" Butyl Alcohol	1 lb	Flammable Liquid	0003
X	"Waste" Butyl Amine	500 g	Flammable Liquid	0003
X	"Waste" flammable liquid n.o.s. Chemlok 234B (trichloroethylene/xylene) mixture	8 oz	Flammable Liquid	0003
	"Waste" Columbium (Niobium)	25 g	None	0003
X	"Waste" Combustible Liquid n.o.s. Cyclohexanol	1 pt	Combustible Liquid	0003
X	"Waste" Cyclohexane	1 ℓ	Flammable Liquid	0003
X	"Waste" flammable liquid n.o.s. 1,2-Dichloroethane	1 pt	Flammable Liquid	0003
X	"Waste" combustible liquid n.o.s. Dimethyl Formamide	300 ml	Combustible Liquid	0003
X	"Waste" p-Dioxane	1 ℓ	Flammable Liquid	0003
	"Waste" Dodecyl Alcohol	100 g	None	0003
X	"Waste" Combustible liquid n.o.s. (2-ethyl-1-hexanol)	1 kg	Combustible Material	0003
X	"Waste" Heptane	1 ℓ	Flammable Liquid	0003
X	"Waste" combustible liquid n.o.s. n-Hexyl Alcohol	2 (300 ml)	Combustible Liquid	0003
X	"Waste" flammable liquid n.o.s. n-Hexyl Amine	100 g	Flammable Liquid	0003
X	"Waste" combustible liquid n.o.s. n-Hexyl Ether	8 oz	Combustible Liquid	0003
X	"Waste" Iron	4 lb	None	0003

HM	PROPER SHIPPING NAME	QTY.	HAZARD CLASS	CONTAINER
X	"Waste" combustible liquid n.o.s. ISO-Butyl Alcohol	500 ml	Combustible Liquid	0003
X	"Waste" ISO Octane	(2) 1 gal	Flammable Liquid	0003
X	"Waste" 4-Methyl Pentanoic Acid	100 g	Combustible Liquid	0003
X	"Waste" M-Nitrobenzyl Alcohol	(2) 20 g	Flammable Liquid	0003
X	"Waste" Nitromethane	500 ml	Flammable Liquid	0003
X	"Waste" combustible liquid n.o.s. Octylamine	50 g	Combustible Liquid	0003
X	"Waste" Isopropanol	300 ml	Flammable Liquid	0003
X	"Waste" Propyl Alcohol	(3) 3 kg	Flammable Liquid	0003
	"Waste" Silicon Oil	50 g 50 ml	None	0003
	"Waste" Sorbitan Monooleate	1/4 lb	None	0003
X	"Waste" Butyl Alcohol	1 kg	Flammable Liquid	0003
X	"Waste" Tetrahydrofuram	150 ml	Flammable Liquid	0003
X	"Waste" flammable liquid n.o.s.	1 ℓ	Flammable Liquid	0003
	"Waste" Oil (Vacoil)	1 gal	None	0003
	"Waste" Oil (Octoil-SO-Vacuum Pump Fluid		None	0003

HM	PROPER SHIPPING NAME	QTY.	HAZARD CLASS	CONTAINER
X	"Waste" ORM-B n.o.s. Aluminum Chloride	(5) 5 lbs	ORM-B	0004
X	"Waste" ORM-B n.o.s. Aluminum Chloride	1 lb	ORM-B	0004
X	"Waste" ORM-B n.o.s. Aluminum Chloride	1 lb	ORM-B	0004
	"Waste" Calcium Carbonate	3 lbs	None	0004
X	"Waste" Calcium Oxide	6 lbs	ORM-B	0004
	"Waste" Decolorizing Carbon	1 lb	None	0004
X	"Waste" Ferric Chloride	3 lbs	ORM-B	0004
X	"Waste" Ferric Chloride	1 lb	ORM-B	0004
X	"Waste" Ferric Chloride	7 lbs	ORM-B	0004
X	"Waste" Ferric Chloride	1/2 lb	ORM-B	0004
X	"Waste" Ferrous Chloride	12 lb	ORM-B	0004
X	"Waste" Lithium Hydroxide	25 g	ORM-B	0004
X	"Waste" Potassium Fluoride	10 lb	ORM-B	0004
X	"Waste" Sodium Bisulfite	3 lb	ORM-B	0004
	"Waste" Sodium Borate	14 lb	None	0004
X	"Waste" Sodium Fluoride	1 lb	ORM-B	0004
X	"Waste" Sodium Fluoride	2 lbs	ORM-B	0004
	"Waste" Sodium Molybdate	5 lb	None	0004
	"Waste" sodium Sulfate	1 lb	None	0004
	"Waste" Sodium Sulfite	1/2 lb	None	0004
X	"Waste" Ammonium Carbonate	1 lb	ORM-A	0005
	"Waste" Ammonium Molybdate	1 lb	None	0005
X	"Waste" Ammonium Oxalate	5 lb	ORM-A	0005
	"Waste" Ammonium Phosphate	1 lb	None	0005
	"Waste" Cuprous Chloride	1 lb	None	0005
X	"Waste" ORM-A n.o.s. Pyrocatechol (Catechol)	1 lb	ORM-A	0005

HM	PROPER SHIPPING NAME	QTY.	HAZARD CLASS	CONTAINER
X	"Waste" Antimony Potassium Tartrate	1/4 lb	ORM-A	0005
	"Waste" Barium Chloride	(8) 8 lb	None	0005
	"Waste" Barium Chloride	100 lb	None	0005
	"Waste" Barium Sulfate	40 g	None	0005
	"Waste" Calcium Chloride	(3) 3 lb	None	0005
	"Waste" Calcium Chloride	1 lb	None	0005
	"Waste" Calcium Fluoride	(5) 5 lb	None	0005
X	"Waste" ORM-A n.o.s. Calcium Hydroxide	1 lb	ORM-A	0005
X	"Waste" ORM-A n.o.s. Calcium Hydroxide	1/2 lb	ORM-A	0005
	"Waste" Calcium Sulfate	1/2 lb	None	0005
X	"Waste" ORM-A n.o.s. (1-Chloronaphthalene)	100 ml	ORM-A	0005
X	"Waste" Formaldehyde Solution	1 pt	ORM-A	0005
X	"Waste" ORM-A n.o.s. (Hydroxylamine Hydrochloride)	1/2 lb	ORM-A	0005
	"Waste" Lithium Fluoride	1 lb	None	0005
X	"Waste" Naphthalene	1/2 lb	ORM-A	0005
	"Waste" Potassium Chloride	1 lb	None	0005
	"Waste" Potassium Chloride	(2) 1 lb	None	0005
X	"Waste" Potassium Dichromate	10 lb	ORM-A	0005
X	"Waste" Potassium Dichromate	1 lb	ORM-A	0005
	"Waste" Sodium Iodide	1/4 lb	None	0005
X	"Waste" Triphenyl Phosphate	1 kg	ORM-A	0005
	"Waste" Aluminum Black		None	0006
X	"Waste" Ammonium Bifluoride	1 lb	Corrosive Material	0006
X	"Waste" Potassium Carbonate	5 lb	Corrosive Material	0006
X	"Waste" Potassium Hydroxide	5 lb	Corrosive Material	0006
X	"Waste" Potassium Hydroxide	5 lb	Corrosive Material	0006
	"Waste" Sodium Carbonate	1 lb	None	0006

HM	PROPER SHIPPING NAME	QTY.	HAZARD CLASS	CONTAINER
X	"Waste" Sodium Hydroxide	2 lb	Corrosive Material	0006
X	"Waste" corrosive solid n.o.s. Sodium Hydroxide, Asbestos Absorbent Mixture (Ascarite)		Corrosive Material	0006
X	"Waste" Corrosive Liquid n.o.s. (aliphatic amine 20%, caustic soda 10%) (Enstrip N170-A)	1/2 pt	Corrosive Material	0006
X	"Waste" Sodium Hydroxide Potassium Ferrocyanide (Macro Alum 7B)	4 oz	Corrosive Material	0006
X	"Waste" Corrosive Liquid n.o.s. Sodium Hydroxide 50%, sulfur compound	4 oz	Corrosive Material	0006
X	"Waste" Corrosive Solid n.o.s. Sodium Hydroxide 90%, Chlorite Oxidizing Agent (Macublack Pre-dip)	4 lb	Corrosive Material	0006
X	"Waste" Sodium Hydroxide Mixture (Metex S-426)	1 lb	Corrosive Material	0006
X	"Waste" Sodium Hydroxide 45% (Metex S-438)	1 lb	None	0006
	"Waste" Sodium Ethyl Hexyl Sulfate (Non-Foamer #30) (Tergitol #08)	4 @ 1 gal	None	0006
X	"Waste" Corrosive Liquid n.o.s. (Amine 50%, Thiocompound 5%) (Enstrip 03087-A, EN79A)	1 pt	Corrosive Material	0006
	"Waste" Sodium Bicarbonate	1 lb	None	0006
	"Waste" Sodium Carbonate	5 lb	None	0006

HM	PROPER SHIPPING NAME	QTY.	HAZARD CLASS	CONTAINER
	"Waste" Aluminum Ammonium Sulfate	(2) 1 lb	None	0007
X	"Waste" Aluminum Sulfate	(2) 1 lb	ORM-E	0007
X	"Waste" Ammonium Thiocyanate	(2) 1 lb	ORM-E	0007
X	"Waste" Antimony Trioxide	5 lb	ORM-E	0007
	"Waste" Ferric Oxide	1 lb	None	0007
X	"Waste" Ferric Sulfate	1 lb	ORM-E	0007
	"Waste" Ferrous Sulfate	1 lb	None	0007
X	"Waste" Aluminium Sulfate	3 lb	ORM-E	0007
X	"Waste" Ammonium Chloride	2 lb	ORM-E	0007
X	"Waste" Ammonium Chloride	2 lb	ORM-E	0007
X	"Waste" Asbestos Fibers	1 lb	ORM-E	0007
	"Waste" Calcium Carbonate	3 lb	None	0007
X	"Waste" Chromic Acetate	1/4 lb	ORM-E	0007
	"Waste" Chromium Acetate	1 lb	None	0007
X	"Waste" Cupric Sulfate	1 lb	ORM-E	0007
X	"Waste" Cupric Sulfate	1/4 lb	ORM-E	0007
X	"Waste" Ferric Fluoride (hydrate)	15 g	ORM-E	0007
	"Waste" Freon 113	200 ml	None	0007
	"Waste" Iron (ic) Sulfate	1 lb	None	0007
X	"Waste" Nickel Chloride	1 lb	ORM-E	0007
X	"Waste" Nickel Chloride	(2) 2 lb	ORM-E	0007
	"Waste" Nickelous Carbonate	1-1/2 lb	None	0007
X	"Waste" m-Nitrophenol	25 g	ORM-E	0007
X	"Waste" o-Nitrophenol	100 g	ORM-E	0007
X	"Waste" p-Nitrophenol	15 g	ORM-E	0007
	"Waste" Potassium Chloride	(3) 75 lb	None	0007
X	"Waste" Potassium Chromate	1 lb	ORM-E	0007
X	"Waste" Resorcinol	100 g	ORM-E	0007

HM	PROPER SHIPPING NAME	QTY.	HAZARD CLASS	CONTAINER
	"Waste" Sodium Lauryl Sulfate	1 lb	None	0007
	"Waste" Sodium Saccharin	1 lb	None	0007
	"Waste" Sodium Silicate	1/4 lb	None	0007
	"Waste" Sodium Silicate Solution	1 gal	None	0007
X	"Waste" Vanadium Pentoxide	1/4 lb	ORM-E	0007
X	"Waste" Vanadium Pentoxide	1 lb	ORM-E	0007
X	"Waste" Vanadium Pentoxide	1 lb	ORM-E	0007
X	"Waste" Zinc Acetate	1 lb	ORM-E	0007
X	"Waste" Zinc Acetate	1/4 lb	ORM-E	0007
X	"Waste" Sodium Nitrate	1 lb	Oxidizer	0008
X	"Waste" Sodium Nitrate (loose bag)	50 lb	Oxidizer	0008
X	"Waste" Sodium Nitrate	5 lb	Oxidizer	0008
X	"Waste" Oxidizing Substance n.o.s. /Sodium Nitrite 50%, Sodium Hydroxide 50% Mixture (Metex Blackmax X-5)	10 lb	Oxidizer	0008
X	"Waste" Oxidizing Substance n.o.s. Sodium Nitrite Borate, Sodium Molybdate Mixture (Rogard 10-5)	50 lb	Oxidizer	0008
X	"Waste" Ammonium Fluoride	(5) 1 lb	ORM-B	0009
X	"Waste" Ammonium Fluoride	5 lb	ORM-B	0009
	"Wasre" Creatine	100 gr	None	0009
	"Waste" Cupric Fluoride	(2) 1 lb	None	0009
	"Waste" Cupric Oxide	1/4 lb	None	0009
	"Waste" Cuprous Chloride	1 lb	None	0009
	"Waste" Dextrin EK2975	25 gr	None	0009
X	"Waste" Ferric Chloride	(6) 1 lb	ORM-B	0009
	"Waste" Hexadecyltrimethyl Ammonium Bromide (Cetyl Trimethylammonium Bromide)	100 gr	None	0009

HM	PROPER SHIPPING NAME	QTY.	HAZARD CLASS	CONTAINER
	"Waste" Lithium Fluoride	1 lb	None	0009
	"Waste" Lithium Iodide	1 lb	None	0009
	"Waste" Manganous Chloride	1 lb	None	0009
	"Waste" Mangesium Chloride	(3) 1 lb	None	0009
X	"Waste" Mangesium Dioxide	1 lb	ORM-B	0009
X	"Waste" Sodium Meta-Bisulfite	1 lb	ORM-B	0009
X	"Waste" ORM-B n.o.s. Aluminum Chloride	1 lb	ORM-B	0009
	"Waste" Aluminum Oxide	1 lb	None	0009
X	"Waste" Ammonium Fluoride	1 lb	ORM-B	0009
	"Waste" Antimony	1 lb	None	0009
	"Waste" Calcium Fluoride	2 lb	None	0009
X	"Waste" Calcium Oxide	1 lb	ORM-B	0009
	"Waste" Copper	1 lb	None	0009
X	"Waste" Ferric Chloride Anhydrous	1/2 lb	ORM-B	0009
X	"Waste" Gallium	5 g	ORM-B	0009
	"Waste" Magnesium Oxide	2 lb	None	0009
X	"Waste" Potassium Fluoride	50 g	ORM-B	0009
X	"Waste" Potassium Fluoride	10 lb	ORM-B	0009
X	"Waste" ORM-B n.o.s. Putrescine (Butylenediamine) (1,4-Butune Diamine)	100 g	ORM-B	0009
X	"Waste" Sodium Bisulfate	3 lb	ORM-B	0009
X	"Waste" Sodium Fluoride	1/2 lb	ORM-B	0009
	"Waste" Sodium Thiosulfate	5 lb	None	0009
	"Waste" Urea Crystals	1 lb	None	0009

HM	PROPER SHIPPING NAME	QTY.	HAZARD CLASS	CONTAINER
X	"Waste" ORM-A n.o.s. Catechol (Pyrocatechol)	100 gr	ORM-A	0010
X	"Waste" ORM-A n.o.s. Coumarin	(6) 100 gr	ORM-A	0010
X	"Waste" ORM-A n.o.s. Coumarin	(3) 25 gr	ORM-A	0010
	"Waste" l-Malic Acid	100 gr	None	0010
X	"Waste" ORM-A n.o.s. Malonic Acid	100 gr	ORM-A	0010
	"Waste" Sodium Bromide	1/4 lb	None	0010
	"Waste" Sodium Silicate	(2) 1 pt	None	0010
X	"Waste" Ammonium Oxalate	(3) 5 lb	ORM-A	0010
	"Waste" 2-Ethylhexanoic Acid	1 ℓ	None	0010
X	"Waste" Maleic Anhydride	500 g	ORM-A	0010
	"Waste" Melamine	500 g	None	0010
X	"Waste" ORM-A n.o.s. (Oxalic Acid)	1/4 lb	ORM-A	0010
X	"Waste" ORM-A n.o.s. (Oxalic Acid)	1 lb	ORM-A	0010
X	"Waste" ORM-A n.o.s. (Oxalic Acid)	1 lb	ORM-A	0010
X	"Waste" ORM-A n.o.x. (Oxalic Acid)	1 lb	ORM-A	0010
X	"Waste" ORM-A n.o.s. (Oxalic Acid)	Empty small container	ORM-A	0010
X	"Waste" Potassium Dichromate	1 lb	ORM-A	0010
X	"Waste" Sodium Dichromate	1 lb	ORM-A	0010
X	"Waste" Sodium Dichromate	1/2 lb	ORM-A	0010
X	"Waste" ORM-A n.o.s., Sodium Hypophosphite, Ammonium Carbonate Organic Acids (Niculoy 22 S)	1 gal	ORM-A	0010
X	"Waste" ORM-A n.o.s. N-Caprylic Acid	25 g	ORM-A	0010
	"Waste" Alumina (Activated)	1 lb	None	0011
	"Waste" Calcium Acetate	1 lb	None	0011
	"Waste" Calcium Chloride	1 lb	None	0011
	"Waste" Calcium Fluoride	2 lb	None	0011
	"Waste" 2,9-Dimethyl-1-10-Phenathroline Hydrochloride $(CH_3)_2$ $C_{12}H_6N_2HCL$	50 g	None	0011

HM	PROPER SHIPPING NAME	QTY.	HAZARD CLASS	CONTAINER
	"Waste" Ethylene Glycol	2 &	None	0011
	"Waste" Ethyl Glycolate	25 g	None	0011
	"Waste" Furyl Dioxime	(3) 15 g	None	0011
	"Waste" Hafnium Fluoride	10 g	None	0011
	"Waste" Hafnium Oxychloride	5 g	None	0011
	"Waste" 8-Hydroxyquinoline	1/2 lb	None	0011
	"Waste" Magnesium Oxide	1 lb	None	0011
	"Waste" Magnesium Oxide	2 lb	None	0011
	"Waste" N-1-Naphthylethylenediamine Dihydrochloride	25 g	None	0011
	"Waste" Nickel Oxide	(2) 2 lb	None	0011
	"Waste" Niobium (NB)	50 g	None	0011
	"Waste" Niobium Oxide Nb_2O_5	10 g	None	0011
	"Waste" Octadecylamine	1 lb	None	0011
	"Waste" 1,3-Propanediol (Trimethylene Glycol)	1/4 lb	None	0011
	"Waste" 3-(2-Pyridyl)-5,6-Diphenyl-1,2,4-Triazine ($C_{20}H_{14}N_4$)	5 g	None	0011
	"Waste" Stannous Iodide (Hydrated)	25 g	None	0011
	"Waste" Tantallum Pentoxide	1 gm	None	0011
	"Waste" Tungsten	5 g	None	0011
	"Waste" Yitrium Oxide	10 g	None	0011
	"Waste" Zirconyl Chloride (Zirconium Oxychloride)	1 oz	None	0011
	"Waste" Addition Agent NL-21 M & T	1 gal	None	0011
	"Waste" Addition Agent PY-61-H M & T	1 gal	None	0011
	"Waste" Dioctyl Sodium Sulfosuccinate, 100% (Ester) Aerosol OT (solid)	1 lb	None	0011
	"Waste" Anti Pit #9 M & T	1 gal	None	0011
	"Waste" Antiseptic (Butesin Picrate Ointment)		None	0011

HM	PROPER SHIPPING NAME	QTY.	HAZARD CLASS	CONTAINER
	"Waste" Methyl Cellulose (Cab-o-sil)	1 lb	None	0011
	"Waste" Carrier Brightener SL-4 M & T	2 @ 1 gal	None	0011
	"Waste" Conversion Brightener SL-1 M&T	(2) 1 gal	None	0011
	"Waste" Conversion Brightener SL-2 M&T	1 gal	None	0011
	"Waste" Maintenance Brightener SL-3 M&T	1 gal	None	0011
	"Waste" Nickel Additive A-5 M&T	1 gal	None	0011
	"Waste" Nickel Additive Y-17 M&T	4 @ 1 gal	None	0011
	"Waste" Wetting Agent Anti Pit #12 M&T	4 (1) gal	None	0011
	"Waste" Ascorbic Acid	(2) 1 lb	None	0012
	"Waste" Cesium Chloride	1 lb	None	0012
	"Waste" Cobalt Chloride	(4) 1/4 lb	None	0012
	"Waste" Sodium Sulfate	(2) 1 lb	None	0012
X	"Waste" Titanium Tetrachloride	1 pt	Corrosive Material	0012
X	"Waste" Corrosive Solid n.o.s. Antimony Trifluoride	1 lb	Corrosive Material	0012
	"Waste" Docosanoic Acid (Behenic Acid)	1 kg	None	0012
X	"Waste" Corrosive Liquid n.o.s. Heptanoic Acid	(2) 100 g	Corrosive Material	0012
X	"Waste" Hexanoic Acid	1 kg	Corrosive Material	0012
X	"Waste" Hydrochloric Acid	1 pt	Corrosive Material	0012
X	"Waste" Hydrochloric Acid (1 N)	1 qt	Corrosive Material	0012
X	"Waste" Corrosive Material n.o.s. (4-Methyl-n-valeric Acid)	(2) 25 g	Corrosive Material	0012
X	"Waste" (Muriatic Acid Soldering flux) Hydrochloric Acid	(2) 1 pt	Corrosive Material	0012
X	"Waste" Corrosive Material n.o.s. Octanoic Acid	100 g	Corrosive Material	0012
	"Waste" Oleic Acid	1/2 lb	None	0012

HM	PROPER SHIPPING NAME	QTY.	HAZARD CLASS	CONTAINER
	"Waste" Perfluro Butyric Acid	25 g	None	0012
X	"Waste" Phosphoric Acid	1 lb	Corrosive Material	0012
X	"Waste" Propionic Acid	1 qt	Corrosive Material	0012
X	"Waste" Corrosive Liquid n.o.s. Stannic Chloride (Anhydrous, Fuming)	1 lb	Corrosive Material	0012
X	"Waste" Stearic Acid	(2) 1/4 lb	None	0012
X	"Waste" Chromic Acid 45, Fluoride salts 45% mixtures (Macro Alum 7A)	4 oz	Corrosive Material	0012

HM	PROPER SHIPPING NAME	QTY.	HAZARD CLASS	CONTAINER
	"Waste" Aluminum Fluoride	50 g	None	0013
	"Waste" Aluminum Oxide	1 lb	None	0013
	"Waste" Aminoantipyrine	100 g	None	0013
	"Waste" Antimony	1/4 lb	None	0013
	"Waste" Barium Carbonate	1 lb	None	0013
	"Waste" Benzoin Anti-Oxime	100 g	None	0013
	"Waste" Benzophenone (Diphenyl Ketone)	200 g	None	0013
	"Waste" Bismuth	1 lb	None	0013
	"Waste" Congo Red Indicator	100 ml	None	0013
	"Waste" Congo Red Indicator	30 g (dry)	None	0013
	"Waste" Congo Red	25 g	None	0013
	"Waste" Copper	(2) 2 lb	None	0013
	"Waste" 2,4-Dichloroaniline	25 g	None	0013
	"Waste" Dinonyl Phthalate	120 g	None	0013
	"Waste" Dodecyl Amine	1 kg	None	0013
	"Waste" Fluorescein Sodium Uranine Salt	1 lb	None	0013
	"Waste" Fluorescein Sodium Uranine Salt	30 g	None	0013
	"Waste" Irridium	(2) 1/4 lb	None	0013
	"Waste" Lead Monoxide	1 lb	None	0013
	"Waste" Lithium Aluminate	1 lb	None	0013
	"Waste" Mannitol ($C_6H_8(OH)_6$	1/2 lb	None	0013
	"Waste" Palladium	5 g	None	0013
	"Waste" Phenanthraquinone	1 lb	None	0013
	"Waste" Phenolphthalein	1/4 lb	None	0013
	"Waste" p-phenyl Phenol		None	0013
	"Waste" Potassium Bromide	1 lb	None	0013
	"Waste" Potassium Ferrocyanide	3 lb	None	0013
	"Waste" Potassium Iodate	1 lb	None	0013
	"Waste" Potassium Iodide	5 g	None	0013

HM	PROPER SHIPPING NAME	QTY.	HAZARD CLASS	CONTAINER
	"Waste" Santophen-1 (p-chloro-benzyl phenol)	25 g	None	0013
	"Waste" Sodium Carbonate	3 lb	None	0013
	"Waste" Sodium Carbonate	1 lb	None	0013
	"Waste" Sodium Oleate	1/4 lb	None	0013
	"Waste" Sodium Thiosulfate	5 lb	None	0013
	"Waste" Thiourea	1/4 lb	None	0013
	"Waste" Tin	1/4 lb	None	0013
	"Waste" Titanium(ic) Oxide	1/4 lb	None	0013
	"Waste" Enbond NE-6	1 lb	None	0013
	"Waste" Borates 15% (Enbond NE-33)	1 lb	None	0013
	"Waste" Borates 50% (Enbond NS-35)	1 lb	None	0013
	"Waste" Sodium Salt of Aliphatic Acid 10%, Borates 75% (Enbond S-101)	1 lb	None	0013
	"Waste" Enstrip 170	2 pt	None	0013
	"Waste" Enstrip 170-B	1 lb	None	0013
	"Waste" Teflon (Polytetra-fluorethylene) 85% fiberglass (Fluoroloy Filled TFE Compound	20 lb	None	0013
	"Waste" Silicated Phosphates 99% Wetting Agents (Mi Clean #20)	1 lb	None	0013
	"Waste" Mildly Alkaline Phosphates 99%, Wetting Agents (Mi Clean #58)	1 lb	None	0013
	"Waste" $C_{20}H_{16}H_4$, 1,4-diphenyl-3, 5 endo-anilino-4,5-dihydro-1,2,3-Triazole (Nitron)	100 g	None	0013
	"Waste" Silicon Oxide (Santocel-54)	100 g	None	0013
	"Waste" Sodium Lauryl Sulfate (Tergitol #4)	100 g	None	0013
	"Waste" Fluorocarbon Soap (Valclean)	10 gal	None	0013
X	"Waste" ammonium Sulfate	(2) 1 lb	ORM-E	0016
X	"Waste" Ammonium Citrate	5 lb	ORM-E	0016
	"Waste" Cobalt Sulfate	1 lb	None	0016

HM	PROPER SHIPPING NAME	QTY.	HAZARD CLASS	CONTAINER
	"Waste" Conversion Brightener SL-1 M&T	1 gal	None	0016
	"Waste" Maintenance Brightener SL-3 M&T	1 gal	None	0016
	"Waste" Nickelous Fluoride	75 lb	None	0016
X	"Waste" Oxidizing Substance n.o.s. Ammonium Persulfate	(4) 1 lb	Oxidizer	0017
	"Waste" Boron Carbide	1/4 lb	None	0017
	"Waste" Chromium Potassium Sulfate	1 lb	None	0017
	"Waste" Chromium Sulfate	5 lb	None	0017
X	"Waste" Ferric Nitrate	(2) 1 lb	Oxidizer	0017
X	"Waste" Oxidizing Substance n.o.s. (Lanthanum Nitrate)	1 lb	Oxidizer	0017
X	"Waste" Oxidizing Substance n.o.s. (Lithium Nitrate)	1 lb	Oxidizer	0017
	"Waste" Magnesium Sulfate	1 lb	None	0017
	"Waste" Magnesium Sulfate	5 lb	None	0017
X	"Waste" Sodium Nitrite	1 lb	Oxidizer	0017
	"Waste" Sodium Pyrophosphate	(8) 1 lb	None	0017
	"Waste" Zinc Carbonate	20 g	None	0017
	"Waste" Sodium Hypophosphite	100 lb	None	0017
	"Waste" Sodium Phosphate	5 lb	None	0017
X	"Waste" Oxidizing Substance n.o.s. Hydrogen Peroxide Urea, Ammonia Bifluoride Mixture (Rohco Roshene Fe Surface Treatment for Steel)	100 lb	Oxidizer	0017

HM	PROPER SHIPPING NAME	QTY.	HAZARD CLASS	CONTAINER
	"Waste" Barium Chloride	200 lb	None	0018
	"Waste" Oxidizing Substance n.o.s. Sodium Hydroxide, Sodium Chlorate Mixture (Black Magic)	50 lb	Oxidizer	0018
X	"Waste" Potassium Nitrate (loose)	180 lb	Oxidizer	0019
X	"Waste" Oxidizing Substance n.o.s. Chromic Acid, Boric Acid Mixture (iridite)	100 lb	Oxidizer	0019
	"Waste" Acacia Gum	1 lb	None	0020
	"Waste" Cupric Carbonate	(8) 1 lb	None	0020
X	"Waste" Copper Cyanide	(3) 1 lb	Poison B	0020
	"Waste" Dimethylglyoxime	(2) 1 lb	None	0020
X	"Waste Mercuric Chloride	(2) 1/4 lb	Poison B	0020
	"Waste" Nutrient Sugar	1 lb	None	0020
X	"Waste" Sodium Azide	1 lb	Poison B	0020
	"Waste" Sodium Borate	1 lb	None	0020
	"Waste" Sodium Succinate (Succinic Acid Monosodium Salt)	1 lb	None	0020
X	"Waste" Aniline	1 ℓ	Poison B	0020
X	"Waste" Aniline	1 lb	Poison B	0020
X	"Waste" Mercuric Bromide	25 g	Poison B	0020
X	"Waste" Mercuric Chloride	1 lb	Poison B	0020
X	"Waste" (Mercurous Chloride) Mercury Compound n.o.s.	1/2 lb	Poison B	0020
X	"Waste" Poisonous Liquid n.o.s. Mercurous Thiocyanide	1 pt	Poison B	0020
X	"Waste" Poisonous Solid n.o.s. Methyl Orange	50 g	Poison B	0020
X	"Waste" Potassium Cyanide	1/4 lb	Poison B	0020
X	"Waste" Potassium Cyanide	3 lb	Poison B	0020
X	"Waste" Potassium Cyanide	1/4 lb	Poison B	0020
X	"Waste" Potassium Cyanide		Poison B	0020

HM	PROPER SHIPPING NAME	QTY.	HAZARD CLASS	CONTAINER
	"Waste" Potassium Ferrocyanide	(2) 2 lb	None	0020
	"Waste" sand (sea) Silica	1 lb	None	0020
X	"Waste" Sodium Azide	1 lb	None	0020
X	"Waste" Sodium Azide	(2) 1 oz	Poison B	0020
X	"Waste" Sodium Cyanide	1 lb	Poison B	0020

TPAP:ntb
2-10-81

STATE OF TENNESSEE
DEPARTMENT OF PUBLIC HEALTH
SOLID WASTE MANAGEMENT

150 NINTH AVENUE NORTH, SEVENTH FLOOR
NASHVILLE, TENNESSEE 37203
PHONE (615) 741-3424

HAZARDOUS WASTE ANNUAL REPORT

PLEASE PRINT OR TYPE.

1. NAME: United States Department of Energy - K-25 Site | YR OF REPORT: 1981 | ID CODE: TN0890090004

2. ADDRESS (STREET, CITY, STATE, AND ZIP): P.O. Box E, Oak Ridge, Tennessee 37830 | REPORT TYPE (CIRCLE ONE): GENERATOR (TSDF)

3.

DOT SHIPPING NAME / WASTE NAME	EPA WASTE CODES	AMOUNT KILOGRAMS	SHIPMENTS	TRANSPORTER ID CODE	DESTINATION / SOURCE ID CODE	TSDF HANDLING CODES
Chromated Cooling Water	D007	206,500,000			TN0890090004	T56
*Trichloroethane, Water (111 Drums)	F001	21,000			TN0890090004	S01
*Spent Halogenated Solvents for Degreasing (9 Drums)	F001	2,550			TN0890090004	S01
Spent Halogenated Solvents for Degreasing (40 Drums)	F001	11,300			TN0890090004	S01
Chromium Toxic Waste (6 Drums)	D007	2,260			TN0890090004	S01
Isopropyl Alcohol (1 Drum)	D001	150			TN0890090004	S01
Methyl Ethyl Ketone (2 Drums)	U159	300			TN0890090004	S01
Corrosive Liquid	D002	565			TN0890090004	S01
Corrosive Liquid (9 Drums)	D002	2,550			TN0890090004	S01
Spent Nonhalogenated Solvents (1 Drum)	F003	230			TN0890090004	S01

4. AMOUNT OF FEE ENCLOSED: Not Applicable | TSDF-CLOSURE COST: Not Applicable | DISPOSAL SITE POST-CLOSURE COST: Not Applicable

5. CERTIFICATION: I CERTIFY THAT THE ABOVE INFORMATION IS TRUE, ACCURATE AND COMPLETE.

SIGNATURE: J. F. Wing | TITLE: Chief, Environmental Protection Branch | DATE:

PH-2118,SN1 01/82

*Indicates Waste Contaminated With Nuclear Materials.

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3. DOT SHIPPING NAME / WASTE NAME	EPA WASTE CODES	AMOUNT KILOGRAMS	SHIPMENTS	TRANSPORTER ID CODE	DESTINATION / SOURCE ID CODE	TSDF HANDLING CODES
Spent Halogenated Solvent (1 Drum)	F002	230			TN0890090004	S01
Ignitable Waste, Lab Pack (9 Drums)	U037, U239, U220, U154, D007, U019	900			TN0890090004	S01
Corrossive Material, Lab Pack (2 Drums)	D002 D007	200			TN0890090004	S01
ORM-A NOS, Lab Pack (2 Drums)	U226, U211, U044, U122, U228, D007	200			TN0890090004	S01
ORM-E NOS, Lab Pack (1 Drum)	D006 D008	100			TN0890090004	S01
Flammable Solids NOS, Lab Pack (1 Drum)	D003	100			TN0890090004	S01
Class B Poison NOS (2 Drums)	D009, P098, D007, P030	200			TN0890090004	S01

4. AMOUNT OF FEE ENCLOSED: Not Applicable | TSDF-CLOSURE COST: Not Applicable | DISPOSAL SITE POST-CLOSURE COST: Not Applicable

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Lab Packs on This Page Are Estimated to be 100 kg Per Drum.

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3. DOT SHIPPING NAME / WASTE NAME	EPA WASTE CODES	AMOUNT KILOGRAMS	SHIPMENTS	TRANSPORTER ID CODE	DESTINATION / SOURCE ID CODE	TSDF HANDLING CODES
Classified Facility II Sludge, Corrosive	D002	443,000			TN0890090004	T31
K-1401 Metals Cleaning Solution	D002	275,000,000			TN0890090004	T31
Picric Acid	D003,	1			TN0890090004	Detonation Initiated by Rifle Bullet
*KOH Scrubber Solution - Purge	D002	44,500			TN0890090004	T31
Miscellaneous Disposals of Corrosive Waste	D002	4,300			TN0890090004	T31

4. AMOUNT OF FEE ENCLOSED: Not Applicable | TSDF-CLOSURE COST: Not Applicable | DISPOSAL SITE POST-CLOSURE COST: Not Applicable

5. CERTIFICATION: I CERTIFY THAT THE ABOVE INFORMATION IS TRUE, ACCURATE AND COMPLETE.

SIGNATURE: J. F. Wing | TITLE: Chief, Environmental Protection Branch | DATE:

PH-2118,SWM 01/82

*Indicated Waste Contaminated With Nuclear Materials.

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DEPARTMENT OF PUBLIC HEALTH
SOLID WASTE MANAGEMENT

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3. DOT SHIPPING NAME / WASTE NAME	EPA WASTE CODES	AMOUNT KILOGRAMS	SHIPMENTS	TRANSPORTER ID CODE	DESTINATION / SOURCE ID CODE	TSDF HANDLING CODES
Small Containers of Miscellaneous Discarded Laboratory Chemicals Awaiting Packaging in Lab Packs. These Include Wastes Listed at Right and Legally Non-Hazardous Wastes.	U196, U211 U197, U201 U202, U165 U213, D001, D002	Estiamted 1500			TN0890090004	S01

4. AMOUNT OF FEE ENCLOSED: Not Applicable | TSDF-CLOSURE COST: Not Applicable | DISPOSAL SITE POST-CLOSURE COST: Not Applicable

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